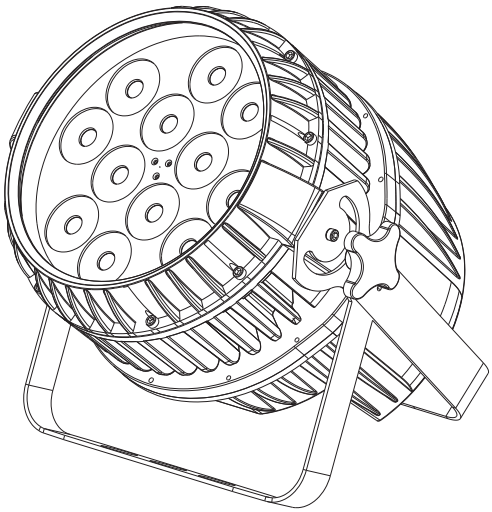
USER MANUAL

52X30MM 掏空
4-R10



LED

·Professional stage lighting equipment

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1. Open the box and checking

Congratulations on choosing our products! Please carefully read this instruction manual in its entirety and keep it well for using reference. This manual contained about the installation and the relative using inform ation of this products. Please according to this manual's relative speaking when using this equipment.

This equipment was made of new style, high intensity plastic . It fully shows the modem times light charac teristic with beauty structure. And it was made according to CE standard .Fully up the international standard of DM X512 agreement. M aster or slave in phase ntrol .Can be use in large entertainment theater,performing and palying hall etc.

When receive the product, please be careful to take and put, check if the product has damage or not because of transportation, and check the following parts:

1.Signal cable-1PC
2.Safty cable-1PC
3.User Manval-1PC
4.Omega holder-1PC
5.Power cable-1PC
5.Service card-1PC

2. Safety instructions

Every person involved with installation and maintenance of this device have to:
- be qualilfied
- follow the instructions of this manualentertainment theater,performing and palying hall etc.

CAUTION!
Be careful with your operations.
With a high voltage you can suffer
a dangerous electric shock when touching the wires!

This device has left our premises in absolutely perfect condition. In order to maintain this condition and toen-sure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this manual.

Important:

- The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorized modification to the device.
- Please consider that damages caused by manual modifications to the device are not subject to warranty.
- Never let the power-cord come into contact with other cables! Handle the power cord and all connections with the mains with particular caution!
- Make sure that the available voltage is not higher than stated on the rear panel.
- Always plug in the power plug least. Make sure that the power-switch is set to off-position before you co nnections with the mains with particular caution!
- Make sure that the power-cord is never crimped or damaged by sharp edges. Check the decice and the power-cord from time to time.
- Always disconnect from the mains, when the device is not in use or before cleaning it.
- Only handle the power-cord by the plug. Never pull out the plug by tugging the powercord.
- This device falls under protection class I. Therefore it is essential to connect the yellow/green conductor to earth.
- The electric connection, repairs and servicing must be carried out by a qualified employee.
- Do not connect this device to a dimmer pack.
- Do not switch the fixture on and off in short intervals as this would reduce the lamp's life. rly mean that the device is defective.
- Do not touch the device's housing bare hands during its operation (housing becomes hot)!
- For replacement use lamps and fuses of same type and rating only.

CAUTION ! EYEDAMAGES !
Avoid looking directly into the light source
(meant especially for epileptics) !

➢ **Installation**
Make sure all parts for fixing the projector are in a good state of repair.
Make sure the point of anchorage is stable before positioning the projector.
The safety chain must be properly hooked onto the fitting and
secured to the framework, so that, if the primary support system fails, the fitting falls as little as possible. If the safety chain gets used, it needs to be replaced with a genuine spare.

➢**MInimum distance from flammable materials**
The projector must be positioned so that any flammable materials are at least 0.20 metres (8") from every point on the surface of the fitting.

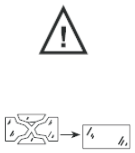
➢**Mounting surfaces**
It is permissible to mount the fitting on normally flammable surfaces.

t_a 45°C

➢**Maximum ambient temperature**
For the fitting to operate well and reliably, the ambient temperature should not exceed 40°C (104°F).

➢**Protection against electrical shock**
Connection must be made to a power supply system fitted with efficient earthing (Class I appliance according to standard EN 60598-1).
It is, moreover, recommended to protect the supply lines of the projectors from indirect contact and/or shorting to earth by using appropriately sized residual current devices.

➢**Hooking up to the supply mains**
Connection to the electricity mains must be carried out by a qualified electrical installer.
Check that the mains frequency and voltage correspond to those for which the projector is designed as given on the electrical data label.
This label also gives the input power to which you need to refer to evaluate the maximum number of fittings to connect to the electricity line, in order to avoid overloading.



➢**Maintenance**

Before starting any maintenance work or cleaning the projector, cut off power from the mains supply.

After switching off, do not remove any parts of the fitting for at least 10 minutes. After this time the likelihood of the lamp exploding is virtually nill. If it is necess ary to replace the lamp, wait for another 15 minutes to avoid getting burnt.

The fitting is designed to hold in any splinters produced by a lamp exploding.

The lenses must be mounted and, if visibly damaged, they hav e to be replaced with genuine spares.

3. Operating determinations

- ➢This device is a moving-head for creating decorative effects and was designed for indoor use only.
- ➢If the device has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation water might damage your device. Leave the device switched off until it has reached room temperature.
- ➢Never run the device without lamp!
- ➢Do not shake the device. Avoid brute force when installing or operating the device.
- ➢Never lift the fixture by holding it at the projector-head, as the mechanics may be damaged. Always hold the fixture at the transport handles.
- ➢When choosing the installation-spot, please make sure that the device is not exposed to heat, moisture or dust. There should not be any cables lying around. You endanger your own and the safety of others!
- ➢The minimum distance between light output and the illuminated surface must be more than 1.5 meters.
- ➢Make sure that the area below the installation place is blocked when rigging, derigging or servicing the fix-ture.
- ➢Always fix the fixture with an appropriate safety rope. Fix the safety rope at the correct holes only.
- ➢Operate the fixture after having checked that the housing is firmly closed and all screws are tightly fastend.
- ➢The lamp must never be ignited if the objective-lens or any housing-cover is open, as discharge lamps may explose and emit a high ultraviolet radiation, which may cause burns.
- ➢The maximum ambient temperature 40°C must never be exceeded.
- ➢Operate the device only after having familiarized with its functions. Do not permit operation by persons not qualified for operating the device. Most damages are the result of unprofessional operation!
- ➢Please use the original packaging if the device is to be transported.
- ➢Please consider that unauthorized modifications on the device are forbidden due to safety reasons!
- ➢If this device will be operated in any way different to the one described in this manual, the product may suffer damages and the guarantee becomes void. Furthermore, any other operation may lead to dangers like short-circuit, burns, electric shock, burns due to ultraviolet radiation, lamp explosion, crash etc.

4.Rigging the fixture

4. 1 Mounting

－The FIXTURE can by installed in any position.

Pay attention to the regulations of CE

The installation shall be done by qualified staff only

☞For the various mounting positions of the FIXTURE (standing on the floor, sideways or hanging) different accessories kits are available.
☞Through this a safe and firm installation is assured.
☞You'll find special connectors on the bottom side of the system which are put to use here.
☞In addition the front side of the system is marked with (FRONT) as this is important for a even orientation during installation.

4. 2 Installing the Clamps

－DANG ER TO LIFE Please consider the respective national norm s during the Installation! The installation must only be carried out by an authorized dealer!

－The installation of the projector has to be built and constructed in a way that it can hold 10 times the weight for 1 hour without any harming deformation.

－The installation must always be secured with a secondary safety attachment, e.g. An appropriate catch net. This secondary safety attachment must be constructed in a way that no part of the installation can fall n if the main attachment fails.

- W hen rigging, derigging or servicing the fixture staying in the area below the installation place, on bridges, under high working places and other endangered areas is forbidden.

- The operator has to make sure that safety-relating and machine-technical installations are approved by an expert before taking into operation for the first time and after changes before taking into operation another time.

- The operator has to make sure that safety-relating and machine-technical installations are approved by an expert after every four year in the course of an acceptance test.

- The operator has to make sure that safety-relating and machine-technical installations are approved by a skilled person once a year.

- The projector should be installed outside areas where persons m ay walk by or be seated.

- Impor tank! Overhead rigging requires extensive experingCE, including (but not limited to) calculating working load limits, installation material being used, and periodic safety inspection of all installation material and the projector. If you lack these qualifications, do not attempt the installation yourself, but instead use a professional structural rigger. Improper installation can result in bodily injury and or damage to property.

- The projector has to be installed out of the reach of people.

- If the projector shall be lowered from the ceiling or high joists, professional trussing system s have to be used. The projector must never be fixed swinging freely in the room .

- Caution Projectors may cause severe injuries when crashing down! If you have doubts concerning the safety of a possible installation, do NOT install the projector!

- Before rigging make sure that the installation area can hold a minim um point load of 10 times the projector s weight.

- The projector can be placed directly on the stage floor or rigged in any orientation on atruss without altering its operation characteristics.

- For overhead use, always install a safety-rope that can hold at least 10 times the weight of the fixture. You must only use safety-ropes with screw on carabines. Pull the safety-rope through the two apertures on the bottom of the base and over the trussing system etc.

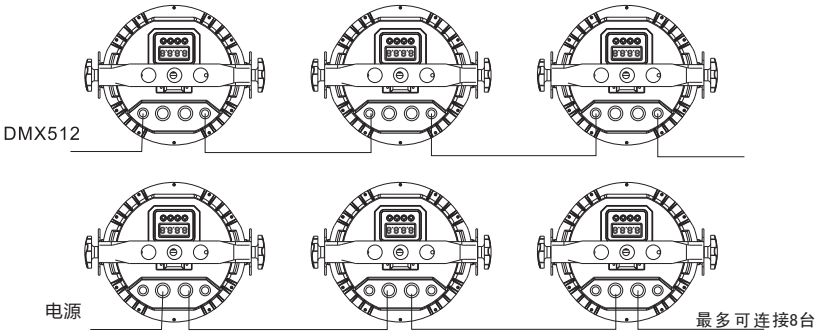
4. 3 Connection

If you wish to change the power supply settings, see the chapter Appendix.
Connect the fixture to the mains with the enclosed power cable and plug.
The earth has to be connected!

Cable（EU）	Cable（US）	Pin	International
Brown	Black	Live	L
Light blue	White	Neutral	N
Yellow/Green	Green	Earth	⏚

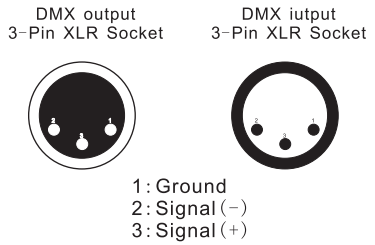
4. 3. 1 DM X-512 connection

DM X-512 connection/connection between fixtures
Only use a stereo shielded cable and 3-pin XLR-plugs and connectors in order to connect

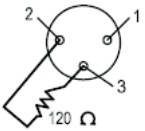


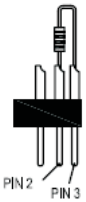
Caution:
A t the last fixture, the DM X-cable has to be terminated with a terminator. Solder a 120 resistor between Signal (-) and Signal (+) into a 3-pin XLR-plug and plug it in the DMX-output of the last fixture.

4. 3. 2 DMX Cable Connection Diagram



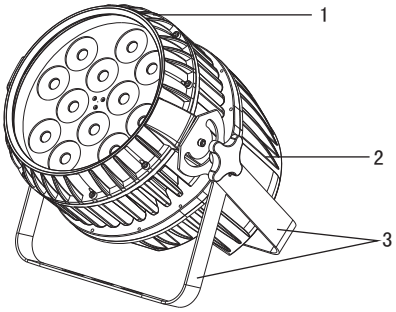
4. 3. 3 DMX Terminator Diagram





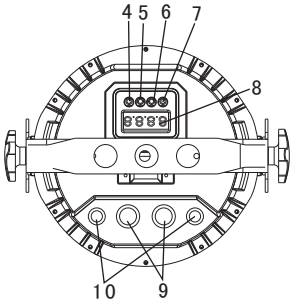
- For installations where the DMX cable has to run a long distance or is in an electrically noisy environment it is recommended to use a DMX terminator. This help in preventing corruption of the signal by electrical noise. The DMX terminator is simply an XLR plug with a 120Ω resistor connected between pins 2 and pins 3, which is then plugged into a the output XLR socket of the last if xture in the chain.

5.Description of the device

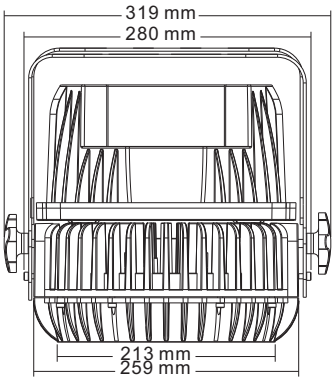


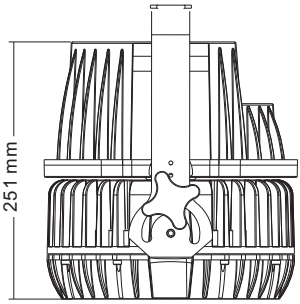
1. HEAD
2. ARM
3. BASE

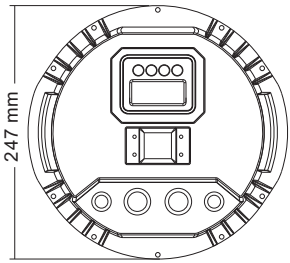
4. ENTER button
5. DOWNR button
6. UP button
7. MODE button
8. Display
9. power port
10. signal cable port

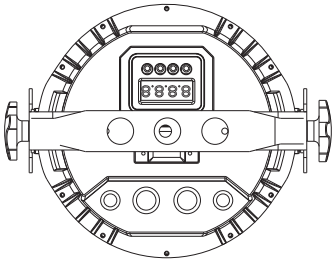


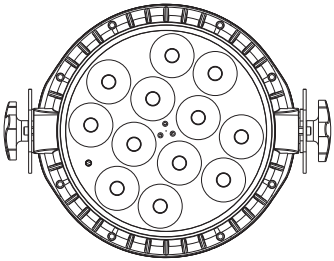
6.Dimension

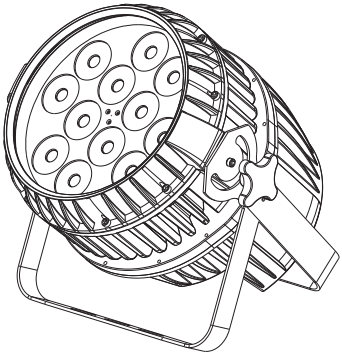












7. Menu Maps

0	ADDR	A001---Axxx	
1	TEST	CH01~CHXX	U000–U255
2	SET	RUN	MSTR/ALON
		AUDI	MSTR/ALON
		STAT	Clos/Hold//Auto/Audi
3	REST	ALL	
4	TIME	FIXT	0000~9999
		CLET	(密码10.3.10)
5	MIC	M–XX	
6	DISP	VALU	D–XX D–00 (DXXX)
		D ON	ON/OFF
		REVE	ON/OFF
7	CONT	RDMX	ON/OFF(10.10/11.XXX)
		INIT	ON/OFF
		VER	V1.0~V9.9

Indicator: (from left to right): 1, bright :D M X 2, bright: read / write memory
3,no indicator 4,bright: press the button

8.DMX protocol

MODE1	Name	Function	DMX Value
1	LED Effect	blackoff	0–15
		red	16–31
		green	32–47
		blue	48–63
		red+green	64–79
		red+blue	80–95
		green+blue	96–111
		white	112–127
		auto program1	128–143
		auto program2	144–159
		auto program3	160–175
		auto program4	176–191
		auto program5	192–207
		auto program6	208–223
		auto program7	224–239
		auto program8	240–255
2	LED dimmer Speed	LED dimmer Speen fast to slow	0–255
3	Red	Red (0–Black , 255–100% Red)	0–255
4	GREEN	Green (0–Black , 255–100% Green)	0–255

5	Blue	Blue (0–Black , 255– 100% Blue)	0–255
6	White	White (0–Black , 255– 100% White)	0–255
7	ZOOM	Continuous adjustment from Min to Max	0–255
8	Strobe	No function (shutter open)	0
		Strobe effect slow to fast	1–95
		No function (shutter open)	96–127
		Pulse effect in sequences	128–159
		No function (shutter open)	160–191
		Random strobe effect slow to fast	192–223
		No function (shutter open)	224–255
9	General dimming	dimming(0%–100%)	0–255
10	Reset	normal control	0–19
		no function	20–79
		All motor reset	80–87
		no function	88–99
		no function	100–255

9.Maintenance and cleaning

It is absolutely essential that the fixture is kept clean and that dust, dirt and smoke-fluid residues must not buildup on or within the fixture. Otherwise, the fixtures light-output will be significantly reduced. Regular cleaning will not only ensure the maxim um light-output, but will also allow the fixture to function reliably through out its life. A soft lint-free cloth moistened with any good glass cleaning fluid is recommended, under no circum stances should alcohol or solvents be used!

DANG ER : Disconnect from the mains before starting any maintenance work

The front objective lens will require weekly cleaning as smoke-fluid tends to building up residues, reducing the light-output very quickly. The cooling-fans should be cleaned monthly

The gobos m ay be cleaned with a soft brush. The interior of the fixture should be cleaned at least annually usinga vacuum -cleaner or an air-jet.

The dichroic colour-filters, the gobo-wheel and the internal lenses should be cleaned monthly.

To ensure a proper function of the gobo-wheel , we recom m end lubrication in six month intervals. The quanity of oil must not be excessive in order to avoid that oil runs out when the gobo-w heel rotates.

There are no serviceable parts inside the device except for the lam p and the fuse. Please refer to the instructions under "Fitting/Exchanging the lamp ".Maintenance and service operations are only to be carried out by authorized dealers.

Replacing the fuse
If the lam p burns out, the fine-w ire fuse of the device might fuse, too. Only replace the fuse by a fuse of same type and rating. Before replacing the fuse, unplug mains lead.

10. Electric equipment specification

POWER CONSUMPTION : 190W

VOLTAGE : AC100-240V 50/60HZ

NET WEIGHT : 10.5 KG

10.1 Channel Characteristics

1.10DMX CHs

2.12PCS 15W RGBW LED

3.LED Color effect

4.LED dimmer speed can be adjusted.

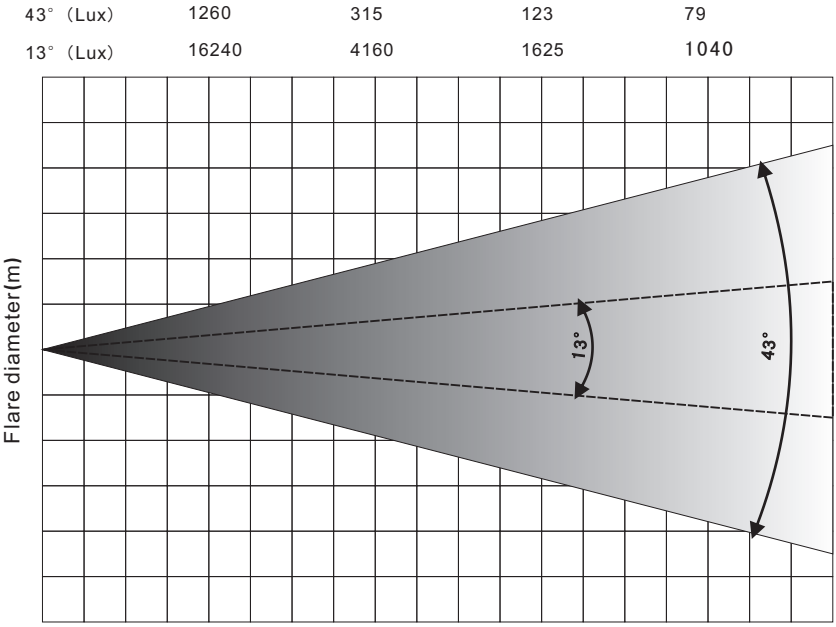
5.RGBW dimmer:Full range dimming.

6.Synchronous,Nonsynchronous,Random strobe effect.

10.2 Menu Function

1. LED display graphic.
2. Each DMX value displayble.
3. Monitor could ON/OFF automatically.
4. No console, each channel can be adjusted manually.
5. Show fixture, lamp use time.
6. No signal, fixture status keep reset status, maintain, AutoPlay procedure,sound control status.

11.light table


43° (Lux) 1260 315 123 79
13° (Lux) 16240 4160 1625 1040
Flare diameter(m)
13°
43°
Projection distance(m) 2.5 5 8 10
13° Flare diameter(m) Φ0.6 Φ1.2 Φ1.85 Φ2.3
43° Flare diameter(m) Φ1.95 Φ3.9 Φ6.2 Φ7.9

12.Electronic drawing